What is claimed is:

1. An ink jet ink or ink jet recording material comprising at least one sterically hindered N-hydroxylamine strong acid salt of the formula

$$\begin{bmatrix} G_1 & G_2 \\ HO & Z_1 \end{bmatrix}^+$$

$$\begin{bmatrix} G_1 & G_2 \\ G_1 & G_2 \end{bmatrix}$$

wherein

 $\rm G_1$ and $\rm G_2$ are independently alkyl of 1 to 4 carbon atoms or are together pentamethylene;

 Z_1 and Z_2 are each methyl, or Z_1 and Z_2 together form an unsubstituted linking moiety or a linking moiety substituted by one or more groups selected from an ester, ether, hydroxy, oxo, cyanohydrin, amide, amino, carboxy or an urethane group,

X is an anion of a strong acid,

wherein the total charge of cations h is equal to the total charge of anions j, and wherein the strong acid has a pKa < about 4,

or

comprising at least one dialkyl N-hydroxylamine salt of the formula $(R_{51}R_{52}N\text{-OH}) \bullet (HY), \text{ where }$

 R_{51} is alkyl of 1 to 36 carbon atoms, cycloalkyl of 5 to 12 carbon atoms or aralkyl of 7 to 9 carbon atoms; or R_{51} is said alkyl, cycloalkyl or aralkyl substituted by one to six alkyl of 1 to 12 carbon atoms, halogen, cyano, $E_{41}O$ -, $E_{41}CO$ -, $E_{$

 R_{52} is hydrogen or independently has the same meaning as R_{51} , where at least one of R_{51} and R_{52} contains a hydrogen alpha to the -NOH moiety; or

 R_{51} and R_{52} together form a $C_{2\cdot12}$ heterocyclic ring which contains at least one carbon substituted hydrogen alpha to the –NOH moiety, where said $C_{2\cdot12}$ heterocyclic ring is unsubstituted or is substituted by one to three three alkyl of 1 to 12 carbon atoms, halogen, cyano, $E_{41}O_{-}$, $E_{41}CO_{-}$, $E_{41}CO_{-}$, $E_{41}CO_{-}$, $E_{41}CO_{-}$, $E_{41}SO_{-}$, $E_{41}SO_{$

 E_{41} and E_{42} independently are hydrogen, alkyl of 1 to 4 carbon atoms or alkyl of 1 to 4 carbon atoms substituted by one to three hydroxyl groups; or E_{41} and E_{42} independently are an oligomer of poly(ethylene glycol) or poly(propylene glycol) terminated by hydroxyl, methoxy, acetate or propionate, where the oligomer has a molecular weight up to about 500; and

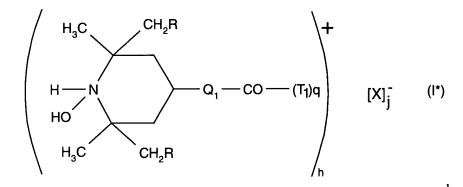
HY is an inorganic or organic acid.

- 2. An ink jet ink or ink jet recording material according to claim 1 comprising at least one sterically hindered N-hydroxylamine strong acid salt.
- 3. An ink jet ink or ink jet recording material according to claim 2 where the strong acid is a mineral acid, sulfuric acid, methanesulfonic acid or phosphoric acid.

4. An ink jet ink or ink jet recording material according to claim **2** where the sterically hindered N-hydroxylamine strong acid salts are selected from the group consisting of

$$\begin{array}{c|c}
 & H_{3}C & CH_{2}R \\
 & H_{10} & H_{12} \\
 & H_{3}C & CH_{2}R & J_{y} & h
\end{array}$$

$$\begin{array}{c|c}
 & (D^{*}) \\
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$$\begin{pmatrix}
H_{3}C & CH_{2}R \\
H - N & COO \\
H_{3}C & CH_{2}R
\end{pmatrix}$$

$$CH_{2}R & f & h$$

$$[X]_{j}^{T} (J^{*})$$

$$\begin{pmatrix}
CH_3 & OH & CH_3 \\
H_3C & & & & \\
CH_3 & H & CH_3
\end{pmatrix} + (S^*)$$

$$CH_3 & H & CH_3$$

$$\begin{bmatrix}
CH_3 & CH_2R \\
H-N & R \\
HO & CH_2R
\end{bmatrix}$$

$$\begin{bmatrix}
X^* \\
R
\end{bmatrix}$$

$$\begin{pmatrix}
CH_3 & CH_3 & R_1 \\
CH_3 & CH_3 & R_2
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$$\begin{array}{c|c}
 & OH \\
 & OCH_2 - CHCH_2O(CH_2)p-N^+(G_1)_3X^- \\
 & CH_3 \\
 & CH_3 \\
 & CH_3 \\
 & OH
\end{array}$$

$$\begin{array}{c|c}
 & (AA^*) \\
 & (AA^*)
\end{array}$$

$$\begin{pmatrix}
CH_{3} & CH_{3} & (BB^{*}) \\
CH_{3} & CH_{3} & (BB^{*})
\end{pmatrix}$$

$$\begin{array}{c|c}
 & O(CH_2)_{m}COOQ \\
\hline
 & CH_3 \\
 & CH_3 \\
 & CH_3
\end{array}$$

$$\begin{array}{c|c}
 & CH_3 \\
 & CH_3
\end{array}$$

$$\begin{array}{c|c}
 & CC^*
\end{array}$$
and

$$\begin{pmatrix}
OH \\
OCH_2-CH-CH_2-O \\
CH_3 \\
CH_3
\end{pmatrix}$$

$$CH_3 \\
CH_3$$

$$CH_3$$

$$CH_$$

wherein

R is hydrogen or methyl;

and

in formula A*,

n is 1 or 2, and

when n is 1,

 R_1 is hydrogen, alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, propargyl, glycidyl, alkyl of 2 to 50 carbon atoms interrupted by one to twenty oxygen atoms, said alkyl substituted by one to ten hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups, or R_1 is alkyl of 1 to 4 carbon atoms substituted by a carboxy group or by -COOZ where Z is hydrogen, alkyl of 1 to 4 carbon atoms or phenyl, or where Z is said alkyl substituted by -(COO)_n M^{n+} where n is 1-3 and M is a metal ion from the 1st, 2nd or 3rd group of the periodic table or is Zn, Cu, Ni or Co, or M is a group $N^{n+}(R_2)_4$ where R_2 is alkyl of 1 to 8 carbon atoms or benzyl,

when n is 2,

R₁ is alkylene of 1 to 12 carbon atoms, alkenylene of 4 to 12 carbon atoms, xylylene or alkylene of 1 to 50 carbon atoms interrupted by one to twenty oxygen atoms, substituted by one to ten hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups;

in formula B*,

m is 1 to 4, and

when m is 1,

 R_2 is alkyl of 1 to 18 carbon atoms, alkyl of 3 to 18 carbon atoms interrupted by -COO-, alkyl of 3 to 18 carbon atoms substituted by COOH or COO-, or R_2 is -CH₂(OCH₂CH₂)_nOCH₃ where n is 1 to 12, or R_2 is cycloalkyl of 5 to 12 carbon atoms, aryl of 6 to 12 carbon atoms, or said aryl substituted by one to four alkyl groups of 1 to 4 carbon atoms, or R_2 is -NHR₃ where R_3 is alkyl of 1 to 18 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, aryl of 6 to 12 carbon atoms, or said aryl substituted by one to four alkyl of 1 to 4 carbon atoms, or R_2 is -N(R_3)₂ where R_3 is as defined above,

when m is 2,

 R_2 is alkylene of 1 to 12 carbon atoms, alkenylene of 4 to 12 carbon atoms, xylylene, alkylene of 2 to 12 carbon atoms interrupted by -COO-, alkylene of 3 to 18 carbon atoms substituted by COOH or COO-, or R_2 is -CH₂(OCH₂CH₂)_nOCH₂- where n is 1 to 12, or R_2 is cycloalkylene of 5 to 12 carbon atoms, aralkylene of 7 to 15 carbon atoms or arylene of 6 to 12 carbon atoms, or R_2 is -NHR₄NH- where R_4 is alkylene of 2 to 18 carbon atoms, cycloalkylene of 5 to 12 carbon atoms, aralkylene of 8 to 15 carbon atoms or arylene of 6 to 12 carbon atoms, or R_2 is -N(R_3) R_4 N(R_3)- where R_3 and R_4 are as defined above, or R_2 is -CO- or -NH-CO-NH-,

when m is 3,

R₂ is alkanetriyl of 3 to 8 carbon atoms or benzenetriyl, or

when m is 4,

R₂ is alkanetetrayl of 5 to 8 carbon atoms or benzenetetrayl,

in formula C*,

 R_{10} is hydrogen, alkyl of 1 to 18 carbon atoms, cycloalkyl of 5 to 12 carbon atoms, aralkyl of 7 to 15 carbon atoms, alkanoyl of 2 to 18 carbon atoms, alkenoyl of 3 to 5 carbon atoms or benzoyl,

x is 1 or 2, and

when x is 1,

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 R_{11} is hydrogen, alkyl of 1 to 18 carbon atoms, alkenyl of 2 to 18 carbon atoms, propargyl, glycidyl, alkyl of 2 to 50 carbon atoms interrupted by one to twenty oxygen atoms, said alkyl substituted by one to ten hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups, or R_{11} is alkyl of 1 to 4 carbon atoms substituted by a carboxy group or by -COOZ where Z is hydrogen, alkyl of 1 to 4 carbon atoms or phenyl, or where Z is said alkyl substituted by -(COO⁻)_n M^{n+} where n is 1-3 and M is a metal ion from the 1st, 2nd or 3rd group of the periodic table or is Zn, Cu, Ni or Co, or M is a group $N^{n+}(R_2)_4$ where R_2 is hydrogen, alkyl of 1 to 8 carbon atoms or benzyl, or

when x is 2,

R₁₁ is alkylene of 1 to 12 carbon atoms, alkenylene of 4 to 12 carbon atoms, xylylene or alkylene of 1 to 50 carbon atoms interrupted by one to twenty oxygen atoms, substituted by one to ten hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups,

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in formula D*,
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y is 1 to 4,

R₁₀ is as defined above, and

R₁₂ is defined as R₂ above,

in formula H*,

p is 1 or 2,

 T_4 is as defined for R_{11} when x is 1 or 2,

M and Y' are independently methylene or carbonyl,

in formula I*,

this formula denotes a recurring structural unit of a polymer where T_1 is ethylene or 1,2-propylene or is the repeating structural unit derived from an alpha-olefin copolymer with an alkyl acrylate or methacrylate, and where

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q is 2 to 100, Q_1 \text{ is -N}(R_3)\text{- or -O- where }R_3 \text{ is as defined above,} in formula J^*, r \text{ is 1 or 2,} T_7 \text{ is as defined for } R_1 \text{ when n is 1 or 2 in formula } A^*, wherein in formulae X^* to CC^*, h \text{ is 2 or 3,} G_1 \text{ is hydrogen, methyl, ethyl, butyl or benzyl,} m \text{ is 1 to 4,} x \text{ is 1 to 4,} when x \text{ is 1,}
```

R₁ and R₂ are independently alkyl of 1 to 18 carbon atoms, said alkyl interrupted by one to five oxygen atoms, said alkyl substituted by 1 to 5 hydroxyl groups or said alkyl both

interrupted by said oxygen atoms and substituted by said hydroxyl groups; cycloalkyl of 5 to 12 carbon atoms, aralkyl of 7 to 15 carbon atoms, aryl of 6 to 10 carbon atoms or said aryl substituted by one to three alkyl of 1 to 8 carbon atoms, or R₁ is also hydrogen, or R₁ and R₂ are together tetramethylene, pentamethylene, hexamethylene or 3-oxapentamethylene,

when x is 2,

R₁ is hydrogen, alkyl of 1 to 8 carbon atoms, said alkyl interrupted by one or two oxygen atoms, said alkyl substituted by a hydroxyl group, or said alkyl both interrupted by one or two oxygen atoms and substituted by a hydroxyl group,

 R_2 is alkylene of 2 to 18 carbon atoms, said alkylene interrupted by one to five oxygen atoms, said alkylene substituted by 1 to 5 hydroxyl groups or said alkylene both interrupted by said oxygen atoms and substituted by said hydroxyl groups; o-, m- or p-phenylene or said phenylene substituted by one or two alkyl of 1 to 4 carbon atoms, or R_2 is $-(CH_2)_kO[(CH_2)_kO]_h(CH_2)_k$ - where k is 2 to 4 and h is 1 to 40, or R_1 and R_2 together with the two N atoms to which they are attached are piperazin-1,4-diyl,

when x is 3,

R₁ is hydrogen,

R₂ is alkylene of 4 to 8 carbon atoms interrupted by one nitrogen atom,

when x is 4,

R₁ is hydrogen,

 $\ensuremath{\mathsf{R}}_2$ is alkylene of 6 to 12 carbon atoms interrupted by two nitrogen atoms,

R₃ is hydrogen, alkyl of 1 to 8 carbon atoms, said alkyl interrupted by one or two oxygen atoms, said alkyl substituted by a hydroxyl group, or both interrupted by one or two oxygen atoms and substituted by a hydroxyl group,

p is 2 or 3, and Q is an alkali metal salt, ammonium or $N^+(G_1)_4$, and in formula DD*, m is 2 or 3, when m is 2, G is -(CH $_2$ CHR-O), CH $_2$ CHR-, where r is 0 to 3, and R is hydrogen or methyl, and when m is 3, G is glyceryl. 5. An ink jet ink or ink jet recording material according to claim 4 where the sterically hindered N-hydroxylamine strong acid salts are selected from the group consisting of formulae A*, B*, C*, D*, S*, X*, Y* and Z*, wherein R is hydrogen, in formula A*, n is 1 or 2, when n is 1,

R₁ is hydrogen, alkyl of 1 to 6 carbon atoms, alkenyl of 2-6 carbon atoms, propargyl, glycidyl, alkyl of 2 to 20 carbon atoms interrupted by one to ten oxygen atoms, said alkyl substituted by one to five hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups, or R₁ is alkyl of 1 to 4 carbon atoms substituted by a carboxy group or by -COOZ where Z is hydrogen or alkyl of 1 to 4 carbon atoms,

when n is 2,

R₁ is alkylene of 1 to 8 carbon atoms, alkenylene of 4 to 8 carbon atoms, alkylene of 1 to 20 carbon atoms interrupted by one to ten oxygen atoms, substituted by one to five hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups,

in formula B*,

m is 1 or 2,

when m is 1,

 R_2 is alkyl of 1 to 4 carbon atoms or R_2 is $CH_2(OCH_2CH_2)_nOCH_3$ where n is 1 to 12, or R_2 is phenyl, or said phenyl substituted by one to three methyl groups, or R_2 is -NHR₃ where R_3 is alkyl of 1 to 4 carbon atoms or phenyl, or said phenyl substituted by one or two methyl groups,

when m is 2,

 R_2 is alkylene of 1 to 8 carbon atoms, alkenylene of 4 to 8 carbon atoms, or R_2 is $-CH_2(OCH_2CH_2)_nOCH_2$ - where n is 1 to 12, or R_2 is NHR_4NH where R_4 is of 2 to 6 carbon atoms, aralkylene of 8 to 15 carbon atoms or arylene of 6 to 12 carbon atoms, or R_2 is -CO-or -NHCONH,

in formula C*,

 R_{10} is hydrogen or, alkanoyl of 1 to 3 carbon atoms, x is 1 or 2,

 R_{11} is hydrogen, alkyl of 1 to 6 carbon atoms or glycidyl, or R_{11} is alkyl of 1 to 4 carbon atoms substituted by a carboxy group or by COOZ where Z is hydrogen or alkyl of 1 to 4 carbon atoms,

when x is 2,

when x is 1,

R₁₁ is alkylene of 1 to 6 carbon atoms,

in formula D*,

R₁₀ is hydrogen,

y is 1 or 2,

R₁₂ is defined as R₂ above,

in formula Y* and Z*,

x is 1 or 2,

when x is 1,

 R_1 and R_2 are independently alkyl of 1 to 4 carbon atoms or R_1 and R_2 are together tetramethylene, or pentamethylene, R_2 is hydrogen or alkyl of 1 to 4 carbon atoms, said alkyl group substituted by a hydroxyl group,

when x is 2,

R₁ is hydrogen, alkyl of 1 to 4 carbon atoms, said alkyl substituted by a hydroxyl group,

R₂ is alkylene of 2 to 6 carbon atoms, and

R₃ is as defined above.

6. An ink jet ink or ink jet recording material according to claim **4** where the sterically hindered N-hydroxylamine strong acid salts are selected from the group consisting of formulae A*, B*, C* and D*,

wherein

R is hydrogen,

in formula A*,

n is 1,

 R_1 is hydrogen, alkyl of 1 to 4 carbon atoms, glycidyl, alkyl of 2 to 4 carbon atoms interrupted by one or two oxygen atoms, said alkyl substituted by one or two hydroxyl groups or both interrupted by said oxygen atoms and substituted by said hydroxyl groups, or R_1 is alkyl of 1 to 4 carbon atoms substituted by -COOZ where Z is hydrogen or alkyl of 1 to 4 carbon atoms,

in formula B*,

m is 1 or 2,

R₂ is alkyl of 1 to 4 carbon atoms or R₂ is CH₂(OCH₂CH₂)_nOCH₃ where n is 1 to 4,

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R<sub>2</sub> is alkylene of 1 to 8 carbon atoms,
        in formula C*,
        R<sub>10</sub> is hydrogen or alkanoyl of 1 or 2 carbon atoms,
        x is 1 or 2,
        when x is 1,
        \ensuremath{R_{11}} is hydrogen, alkyl of 1 to 4 carbon atoms or glycidyl,
        R<sub>11</sub> is alkyl of 1 to 4 carbon atoms substituted by COOZ where Z is hydrogen or alkyl
of 1 to 4 carbon atoms,
        when x is 2,
         R<sub>11</sub> is alkylene of 1 to 6 carbon atoms,
         in formula D*,
         R<sub>10</sub> is hydrogen,
        y is 1 or 2,
        R_{12} is defined as R_2 above.
```

when m is 2,

- 7. An ink jet ink or ink jet recording material according to claim 4 where the sterically hindered N-hydroxylamine strong acid salts are selected from the group consisting of formula B* where X is chloride or bromide.
- **8.** An ink jet ink or ink jet recording material according to claim **4** where the sterically hindered N-hydroxylamine strong acid salts are 1-hydroxy-2,2,6,6-tetramethyl-4-hydroxypiperidinium chloride or bis(1-hydroxy-2,2,6,6-tetramethylpiperidin-4-yl) sebacate dihydrochloride.
- 9. An ink jet ink or ink jet recording material according to claim 1 comprising at least one dialkyl N-hydroxylamine salt.
- 10. An ink jet ink or ink jet recording material according to claim 9 where Y is phosphate, phosphonate, carbonate, bicarbonate, nitrate, chloride, bromide, bisulfite, sulfite, bisulfate, sulfate, borate, formate, acetate, benzoate, citrate, oxalate, tartrate, acrylate, polyacrylate, fumarate, maleate, itaconate, glycolate, gluconate, malate, mandelate, tiglate, ascorbate, polymethacrylate, a carboxylate of nitrilotriacetic acid, hydroxyethylethylene-diaminetriacetic acid, ethylenediaminetetraacetic acid or of diethylenetriaminepentaacetic acid, an alkylsulfonate or an arylsulfonate.
- 11. An ink jet ink or ink jet recording material according to claim 9 where Y is chloride, bisulfate, sulfate, phosphate, nitrate, ascorbate, formate, acetate, benzoate, oxalate, citrate, a carboxylate of ethylenediaminetetraacetic acid or of diethylene-triaminepentaacetic acid or polyacrylate.

12. An ink jet ink or ink jet recording material according to claim 9 where the dialkyl N-hydroxylamine salts are salts of N,N-dibenzylhydroxylamine, N,N-dimethylhydroxylamine, N,N-diethylhydroxylamine, N,N-bis(2-hydroxypropyl)hydroxylamine, N,N-bis(3-hydroxypropyl)hydroxylamine, N,N-bis(2-carboxyethyl)hydroxylamine, N,N-bis(benzylthiomethyl)hydroxylamine, N,N-dioctylhydroxylamine, N,N-dilaurylhydroxylamine, N,N-didodecylhydroxylamine, N,N-ditetradecylhydroxylamine, N,N-dihexadecylhydroxylamine, N,N-dioctadecylhydroxylamine, N-hexadecyl-N-tetradecylhydroxylamine, N-hexadecyl-N-octadecylhydroxylamine, N-heptadecyl-N-octadecylhydroxylamine, N-heptadecyl-N-octadecylhydroxylamine, N-methyl-N-octadecylhydroxylamine or N,N-di(hydrogenated

- 13. An ink jet ink or ink jet recording material according to claim 9 where the dialkyl N-hydroxylamine salts are salts of N,N-diethylhydroxylamine, N,N-bis(2-hydroxypropyl)-hydroxylamine, N,N-bis(3-hydroxypropyl)hydroxylamine, N,N-dibenzylhydroxylamine or the N,N-di(alkyl)hydroxylamine produced by the direct oxidation of N,N-di(hydrogenated tallow)amine.
- **14.** An ink jet ink or ink jet recording material according to claim **9** where the dialkyl N-hydroxylamine salt is tris(N,N-diethylhydroxylammonium) citrate.

- 15. An ink jet ink according to claim 1 which comprises about 0.01 to about 30% by weight of at least one sterically hindered N-hydroxylamine strong acid salt or at least one dialkyl N-hydroxylamine salt, based on the weight of the ink jet ink.
- **16.** An ink jet recording material according to claim **1** which comprises about 1 to about 10000 mg/m² of at least one sterically hindered N-hydroxylamine strong acid salt or at least one dialkyl N-hydroxylamine salt.
- 17. An ink jet ink or ink jet recording material according to claim 1 further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines, the benzophenones, the α -cyanoacrylates, the oxanilides, the benzoxazinones, the benzoates and the α -alkyl cinnamates.
- 18. An ink jet ink or ink jet recording material according to claim 1 further comprising a UV absorber selected from the group consisting of the hydroxyphenylbenzotriazoles, the tris-aryl-s-triazines and the benzophenones.
- 19. An ink jet ink or ink jet recording material according to claim 1 further comprising a UV absorber selected from the group consisting of
 - 5-chloro-2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3,5-di-tert-butylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3,5-di-tert-amylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3,5-di- α -cumylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-3- α -cumyl-5-tert-octylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-5-tert-octylphenyl)-2H-benzotriazole;
 - 2-(2-hydroxy-5-methylphenyl)-2H-benzotriazole;
- 2-(2-hydroxy-3-tert-butyl-5-methylphenyl)-2H-benzotriazole-5-sulfonic acid, sodium salt;

- 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamic acid;
- 12-hydroxy-3,6,9-trioxadodecyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate;
 - octyl 3-tert-butyl-4-hydroxy-5-(2H-benzotriazol-2-yl)-hydrocinnamate;
- $2-(3-t-butyl-2-hydroxy-5-(2-(\omega-hydroxy-octa-(ethyleneoxy)carbonyl-ethyl)-phenyl)-2H-benzotriazole;$
 - 4,6-bis(2,4-dimethylphenyl)-2-(4-octyloxy-2-hydroxyphenyl)-s-triazine;
 - 2,4-bis(2-hydroxy-4-butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl)-1,3,5-triazine;
- 2-[4-(dodecyloxy/tridecyloxy-2-hydroxypropoxy)-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)1,3,5-triazine;

the reaction product of tris(2,4-dihydroxyphenyl)-1,3,5-triazine with the mixture of α -chloropropionic esters (made from isomer mixture of C_7 - C_9 alcohols);

- 2,4-dihydroxybenzophenone;
- 2,2',4,4'-tetrahydroxy-5,5'-disulfobenzophenone, disodium salt;
- 2-hydroxy-4-octyloxybenzophenone;
- 2-hydroxy-4-dodecyloxybenzophenone;
- 2,4-dihydroxybenzophenone-5-sulfonic acid and salts thereof;
- 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid and salts thereof;
- 2,2'-dihydroxy-4,4'dimethoxybenzophenone-5,5'-disodium sulfonate;
- 3-(2H-benzotriazol-2-yl)-4-hydroxy-5-sec-butylbenzenesulfonic acid, sodium salt; and
- 2-(2'-hydroxy-3'-tert-butyl-5'-polyglycolpropionate-phenyl)benzotriazole.
- 20. An ink jet system, comprising a recording material and at least one colored ink to be applied to the recording material by means of an ink jet nozzle, wherein at least either the recording material or at least one colored ink comprises at least one sterically hindered N-hydroxylamine strong acid salt or at least one dialkyl N-hydroxylamine salt according to claim 1.
 - 21. A process for stabilizing ink jet prints,

which process comprises applying to a recording material for ink jet printing an ink composition comprising

an aqueous or an organic solvent dye solution and

at least one sterically hindered N-hydroxylamine strong acid salt or at least one dialkyl N-hydroxylamine salt according to claim 1 and

drying said recording material.

22. A process for stabilizing ink jet prints,

which process comprises applying to a recording material for ink jet printing

a casting or coating dispersion or an aqueous or organic solution comprising

at least one sterically hindered N-hydroxylamine strong acid salt or at least one dialkyl N-hydroxylamine salt according to claim 1 and

further applying either an ink composition comprising

an aqueous or an organic solvent dye solution, or an ink composition comprising an aqueous or an organic solvent dye solution and at least one sterically hindered N-hydroxylamine strong acid salt or at least one dialkyl N-hydroxylamine salt according to claim 1 and

drying said recording material.

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